What is claimed is:

1	 A near field probe comprising:
2	an antenna having a first dipole and a second dipole for
3	measuring an electromagnetic field, said antenna
4	producing an electrical signal having an output
5	voltage indicative of a field strength for said
6	electromagnetic field;
7	a first diode having an anode connected to the first
8	dipole of said antenna and a cathode connected to the
9	second dipole of said antenna;
10	a second diode having an anode connected to the second
11	dipole of said antenna and a cathode
12	a first capacitor having a first terminal connected to the
13	cathode of said second diode and a second terminal,
14	wherein said first diode, said second diode and said
15	first capacitor double the output voltage of the
16	electrical signal produced by said antenna;
17	a transmission line transformer having an electrical
18	signal input connected to the cathode of said second
19	diode and the second terminal of said first
20	capacitor, said transmission line transformer
21	isolating said electrical signal from ground
22	providing a signal strength efficiency of

approximately ninety eight percent.

- 2. The near field probe of claim 1 wherein said first
 diode and said second diode comprise Schottky diodes.
 - 3. The near field probe of claim 1 further comprising a second capacitor having first and second terminals connected to an electrical signal output for said transmission line transformer, said second capacitor operating as an alternating current short circuit when said second capacitor is positioned at the electrical signal output for said transmission line transformer.
 - 4. The near field probe of claim 3 further comprising a third capacitor having first and second terminals connected to the electrical signal output for said transmission line transformer, said third capacitor integrating said electrical signal and reducing noise within said electrical signal.
- 5. The near field probe of claim 3 wherein said second capacitor is a twenty picofarad capacitor.
 - 6. The near field probe of claim 4 wherein said third

- 2 capacitor is a 0.01 microfarad capacitor.
- 7. The near field probe of claim 1 further comprising a load resistor connected to said transmission line transformer, said load resistor having an impedance which varies from about 137 ohms to about 3.56 k-ohms.
- 1 8. The near field probe of claim 1 wherein said first 2 capacitor is a twenty picofarad capacitor.
- 9. The near field probe of claim 1 wherein said near field probe provides an output voltage reading of 0.84 volts to 3.17 volts over a frequency range of 2212.5 MHz-2276.5 MHz when the electromagnetic field generated by an antenna coupler being tested has a power requirement of 1.7 watts
 - 10. The near field probe of claim 1 wherein said near field probe provides an output voltage reading of 2.15 volts to 5.40 volts over a frequency range of 2212.5 MHz-2276.5 MHz when the electromagnetic field generated by an antenna coupler being tested has a power requirement of 4.0 watts.
 - 11. A near field probe comprising:

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2	a dipole antenna having a first dipole and a second dipole
3	for measuring an electromagnetic field, said dipole
4	antenna producing an electrical signal having an
5	output voltage indicative of a field strength for
6	said electromagnetic field;
7	a first Schottky diode having an anode connected to the
8	first dipole of said dipole antenna and a cathode
9	connected to the second dipole of said dipole
10	antenna;
11	a second Schottky diode having an anode connected to the
12	second dipole of said dipole antenna and a cathode;
13	a first capacitor having a first terminal connected to the
14	cathode of said second Schottky diode and a second
15	terminal;
16	a transmission line transformer having an electrical
17	signal input connected to the cathode of said second
18	Schottky diode and the second terminal of said first
19	capacitor;
20	said first Schottky diode rectifying one half of said
21	electrical signal;
22	said second Schottky diode and said first capacitor
23	rectifying another half of said electrical signal
24	doubling the output voltage of the electrical signal

25	produced by said dipole antenna;
26	said transmission line transformer isolating said
27	electrical signal from ground providing a signal
28	strength efficiency of approximately ninety eight
29	percent; and
30	a second capacitor having first and second terminals
31	connected to an electrical signal output for said
32	transmission line transformer, said second capacitor
33	operating as an alternating current short circuit
34	when said second capacitor is positioned at the
35	electrical signal output for said transmission line
36	transformer.

12. The near field probe of claim 11 further comprising a third capacitor having first and second terminals connected to the electrical signal output for said transmission line transformer, said third capacitor integrating said electrical signal and reducing noise within said electrical signal.

- 1 13. The near field probe of claim 11 wherein said second capacitor is a twenty picofarad capacitor.
 - 14. The near field probe of claim 12 wherein said third

- 2 capacitor is a 0.01 microfarad capacitor.
- 1 15. The near field probe of claim 11 further comprising a 2 load resistor connected to said transmission line transformer, 3 said load resistor having an impedance which varies from about 4 137 ohms to about 3.56 k-ohms.
- 1 16. The near field probe of claim 11 wherein said first 2 capacitor is a twenty picofarad capacitor.
- 1 17. The near field probe of claim 11 wherein said near
 2 field probe provides an output voltage reading of 0.84 volts to
 3 3.17 volts over a frequency range of 2212.5 MHz-2276.5 MHz when
 4 the electromagnetic field generated by an antenna coupler being
 5 tested has a power requirement of 1.7 watts
 - 18. The near field probe of claim 11 wherein said near field probe provides an output voltage reading of 2.15 volts to 5.40 volts over a frequency range of 2212.5 MHz-2276.5 MHz when the electromagnetic field generated by an antenna coupler being tested has a power requirement of 4.0 watts.
 - 19. A near field probe comprising:

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2	a dipole antenna having a first dipole and a second dipole
3	for measuring an electromagnetic field, said dipole
4	antenna producing an electrical signal having an
5	output voltage indicative of a field strength for
6	said electromagnetic field;
7	a first Schottky diode having an anode connected to the
8	first dipole of said dipole antenna and a cathode
9	connected to the second dipole of said dipole
10	antenna;
11	a second Schottky diode having an anode connected to the
12	second dipole of said dipole antenna and a cathode;
13	a first capacitor having a first terminal connected to the
14	cathode of said second Schottky diode and a second
15	terminal, wherein said first capacitor is a twenty
16	picofarad capacitor;
17	a transmission line transformer having an electrical
18	signal input connected to the cathode of said second
19	Schottky diode and the second terminal of said first
20	capacitor;
21	said first Schottky diode rectifying one half of said
22	electrical signal;
23	said second Schottky diode and said capacitor rectifying
24	another half of said electrical signal doubling the

26	said antenna;
27	said transmission line transformer isolating said
28	electrical signal from ground providing a signal

30 percent;

a load resistor connected to said transmission line transformer, said load resistor having an impedance which varies from about 137 ohms to about 3.56 k-ohms; and

output voltage of the electrical signal produced by

strength efficiency of approximately ninety eight

- a second capacitor having first and second terminals
 connected to an electrical signal output for said
 transmission line transformer, said second capacitor
 operating as an alternating current short circuit
 when said second capacitor is positioned at the
 electrical signal output for said transmission line
 transformer, wherein said second capacitor is a
 twenty picofarad capacitor.
- 20. The near field probe of claim 19 further comprising a third capacitor having first and second terminals connected to the electrical signal output for said transmission line transformer, said third capacitor integrating said electrical

- 5 signal and reducing noise within said electrical signal, said
- 6 third capacitor being a 0.01 microfarad capacitor.